

New Records of *Callopistromyia annulipes* Macquart (Diptera: Ulidiidae: Otitinae: Myennidini) in Europe

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The Peacock Fly *Callopistromyia annulipes* (Macquart, 1855) originally known to occur in the United States and Canada (Steyskal, 1975, 1979; Kameneva & Korneyev, 2006) has been collected in 2007 in Switzerland (Merz, 2008), Germany (Merz & Van Gyseghem, 2008), and The Netherlands (Smit & Hamers, 2011). The next records were from **Italy**: Cesano Maderno, MI., 10.04.2009, 1 ♂ (a picture by P. Niolu), *idem*, 13.06.2010, 1 ♀ (a picture by C. Galliani), **France**: Foret de Palteau north of Chalon sur Saone, “dancing on the stem of a dead beechtree”, 15.07.2011, 1 ♀ (a picture by the user Siga), and **Slovenia**: Kanal, 46.082° N, 13.629° E, 03.08.2011, 1 ♀ (M. Weites leg.). Recently, additional material has been collected in **Italy**: Alpi Marittime, S. Anna d. Vald., 26.08.2010, 1 ♀ (J. Máca leg.); **Austria**: Lower Austria, Mödling, Perchtoldsdorf, ~1.5km southeast to the centre, Oskar-Malatagasse 3, 48°06'52"N, 16°17'08"E, garden, near artificial pond, 211 m, 07.–27.06.2014, beer trap, 1 ♀ (M. Duda leg.) (Fig. 1), and **Slovakia**: Hronská pahorkatina, Némčiny, 48°18'12"N, 18°27'18"E, sand pit, edges with shrubs and trees, 205 m, 31.05–21.06.2014, beer trap, 1 ♀ (V. Smetana leg.) (collection of Municipal museum Mariánské Lázně). In the USA and Canada, adults of *C. annulipes* are common at exposed places (poplar trunks, parked cars, trash cans) walking with their wings raised over their bodies in a very characteristic way differing them not only from other picture-winged flies, but also from another its congener, *C. strigula* (Loew, 1873). Females of *C. annulipes* oviposit eggs on dead or dying trees of *Robinia pseudoacacia*; puparia



Fig. 1. *Callopistromyia annulipes*, ♀, Austria, total view, right and dorsal.

of both species were found under the bark of *Acer negundo* (Steyskal, 1979). Other specimens were collected according to label data on wounds and on sap runs of various deciduous trees (*Ulmus* spp., *Acer* spp., *Populus* spp.) (Kameneva & Korneyev, 2006). These records show that the adventive species *Callopistromyia annulipes* introduced from the Nearctic Region into Switzerland or Germany before 2008, then became widespread in Central Europe (Fig. 2).

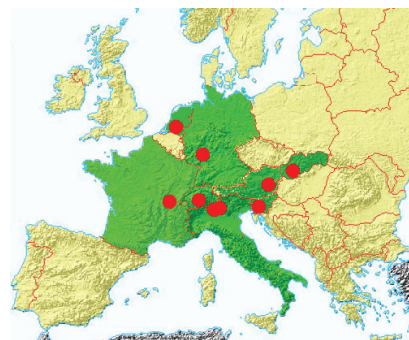


Fig. 2. *C. annulipes*, current distribution in Europe.

Galliani, C. (2010). Otitidae — *Callopistromyia annulipes* (Macquart, 1855). http://www.diptera.info/forum/viewthread.php?forum_id=5&thread_id=34609 Diptera.Info.

Niolu, P. (2009). Odiiniidae? Platystomatidae? http://www.diptera.info/forum/viewthread.php?forum_id=5&thread_id=20941 Diptera.Info.

Kameneva, E.P. & Korneyev, V.A. (2006). Myennidini, a new tribe of the subfamily Otitinae (Diptera: Ulidiidae), with discussion of the suprageneric classification of the family. *Israel Journal of Entomology*, **33–34** (2005/6), 497–586.

Merz, B. (2008). *Callopistromyia annulipes* (Macquart, 1855), a Nearctic species of Ulidiidae (Diptera). *Studia dipterologica* (2007) **14**(1): 161–165.

Merz, B. & Van Gyseghem, R. (2008). *Callopistromyia annulipes* (Macquart, 1855), neu auch für Deutschland (Diptera, Ulidiidae). *Studia dipterologica* (2007) **14**(1): 165.

Smit, J. T. & Hamers, B. (2011). De invasieve noord-amerikaanse pauwvlieg de invasieve noord-amerikaanse pauwvlieg *Callopistromyia annulipes* nieuw voor Nederland (Diptera: Ulidiidae) nieuw voor Nederland (Diptera: Ulidiidae). *Nederlandse faunistische mededelingen*

Steyskal, G. C. (1975). Genus *Callopistromyia* Hendel (Diptera: Otitidae). *Entomological News*, **85**(5–6) (1974), 147–148.

Steyskal, G. C. (1979). Biological, anatomical, and distributional notes on the genus *Callopistromyia* Hendel (Diptera: Otitidae). *Proceedings of the Entomological Society of Washington*, **81**(3), 450–455.